

Application No: 10/820,111  
Attorney's Docket No: ALC 3125

**CLAIM AMENDMENTS**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims**

1. (Currently Amended) A network management connectivity verification framework comprising:
  - a. a connectivity verification server performing unattended connectivity verification jobs; and
  - b. a connectivity verification application for defining connectivity verification jobs, configuring the connectivity verification server accordingly, ~~and displaying configuration~~ ~~displaying connectivity verification results, and specifying by a user, at least one connectivity verification threshold for comparison to the connectivity verification results.~~
2. (Original) A connectivity verification framework claimed in claim 1, wherein the connectivity verification jobs are scheduled and the connectivity verification server performs scheduled connectivity verification.
3. (Original) A connectivity verification framework claimed in claim 1, wherein the connectivity verification application further providing a display of connectivity verification results.

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4. (Original) A connectivity verification framework claimed in claim 1, wherein the results of each connectivity verification job may be compared against a connectivity profile, a deviation from the connectivity profile being used to raise an alarm.
5. (Original) A connectivity verification framework claimed in claim 3, wherein the connectivity verification results, including alarm information, are further used to generate a network map displaying selected connectivity verification results.
6. (Currently Amended) A method of creating a network connectivity verification test, comprising steps of:
  - a. defining a connectivity verification job;
  - b. configuring a connectivity verification server to perform the connectivity verification job; and
  - c. displaying connectivity verification results; and
  - d. specifying, by a user, at least one connectivity verification threshold for comparison to the connectivity verification results.
7. (Currently Amended) The method of creating a network connectivity verification test claimed in claim 6, wherein defining the connectivity verification job further comprises steps of:

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- a. selecting via an NMS user interface, a pair of source and destination IP objects between which connectivity is to be verified; and
- b. specifying a connectivity verification ~~schedule; schedule.~~

8. (Canceled)

9. (Currently Amended) The method of creating a network connectivity verification test claimed in ~~claim 8~~ claim 6, wherein specifying connectivity thresholds ~~the at least one connectivity verification threshold~~ further comprises specifying a threshold for ~~a~~ at least one of round trip delay, jitter, and packet loss.

10. (Original) The method of creating a network connectivity verification test claimed in claim 7, wherein a selected IP object include one of a router, IP interface, and IP address.

11. (Original) The method of creating a network connectivity verification test claimed in claim 7, wherein the pair of IP objects is selected selecting one of an IP link, an LSP, and a VPN.

12. (Original) The method of creating a network connectivity verification test claimed in claim 6, wherein defining the connectivity verification job further comprises a step of: configuring a connectivity verification parameter including one of a number of ping commands to issue, a ping packet size, ping data fill pattern, a time to wait for response, and a type of service.

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13. (Original) The method of creating a network connectivity verification test claimed in claim 6, wherein defining the connectivity verification job further comprises a step of: configuring a connectivity verification parameter including one of a number of traceroute commands to issue, a traceroute packet size, traceroute packet data fill pattern, a time to wait for response, and a type of service.
14. (Currently Amended) A method of performing a network connectivity verification in a network management context comprising steps of:
  - a. performing scheduled connectivity verification;
  - b. comparing a connectivity verification result with a connectivity verification threshold, said connectivity verification threshold specified by a user; and
  - c. raising an alarm if the connectivity verification result has reached the connectivity verification threshold.
15. (Original) The method of performing a network connectivity verification claimed in claim 14, further comprising a step of: storing connectivity verification job on computer readable medium for subsequent access and execution.

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16. (Original) The method of performing a network connectivity verification claimed in claim 14, further comprising a step of: highlighting at least one IP object based on one of a connectivity verification job and a connectivity verification result.
17. (Original) The method of performing a network connectivity verification claimed in claim 16, wherein a highlighted object is one of an OSI Layer 2 and OSI Layer 3 object.
18. (Original) The method of performing a network connectivity verification claimed in claim 14, wherein performing scheduled connectivity verification the method further comprising a step of: periodically executing connectivity verification tests.
19. (Original) The method of performing a network connectivity verification claimed in claim 14, wherein performing scheduled connectivity verification the method further comprising a step of: issuing a one of a ping command and traceroute command.
20. (Original) The method of performing a network connectivity verification claimed in claim 14, further comprising a step of: storing historical connectivity verification results on computer readable medium for subsequent access.